

LAHIVE
&
COCKFIELD
LLP

COUNSELLORS AT LAW
28 STATE STREET
BOSTON, MASSACHUSETTS 02109-1784
TELEPHONE (617) 227-7400
FAX (617) 742-4214
www.lahive.com

JOHN A. LAHIVE, JR. (1928-1997)
THOMAS V. SMURZYNSKI
GIULIO A. DeCONTI, JR.
ELIZABETH A. HANLEY
AMY BAKER MANDRAGOURAS
ANTHONY A. LAURENTANO
KEVIN J. CANNING
JANE E. REMILLARD
DeANN FORAN SMITH
DEBRA J. MILASINCIC, Ph.D.
WILLIAM A. SCOFIELD, JR.
SIBLEY P. REPPERT
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SEAN D. DETWEILER
MEGAN E. WILLIAMS, Ph.D.
LISA DIROCCO TYNER
HATHAWAY P. RUSSELL *

MARIA LACCOTRIPE ZACHARAKIS, Ph.D.
MERIDETH C. ARNOLD
DANIELLE L. HERRITT
EUIHOON LEE **
MANEESH GULATI
CYNTHIA M. SOROOS
PETER W. DINI, Ph.D.
MICHAEL J. BASTIAN, Ph.D.
CHRISTOPHER J. McKENNA

SENIOR COUNSEL
JAMES E. COCKFIELD

OF COUNSEL
JEREMIAH LYNCH
JEANNE M. DIGIORGIO
CYNTHIA L. KANIK, Ph.D.
JOHN D. LANZA

PATENT AGENTS
JONATHAN M. SPARKS, Ph.D.
ANDRINA WILLIAMS ZINK
CRISTIN E. HOWLEY, Ph.D.
JILL ANN MELLO, Ph.D.
JAMES H. VELEMA ***

TECHNICAL SPECIALISTS
CATHERINE M. BISHOP
JACOB G. WEINTRAUB
DEBORAH L. NAGLE, Ph.D.
ANNE JACQUELINE WIZEMAN, Ph.D.
BRIAN C. TRINQUE, Ph.D.
CHRISTOPHER R. COWLES, Ph.D.
W. ELANA WANG

* Admitted in TX only
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*** Passed Patent Bar Exam

July 29, 2004

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Re: U.S. Patent Application No.: 10/618350
For: *METHODS AND COMPOSITIONS FOR PREVENTING OXIDATIVE
DEGRADATION OF PROTEINS*
Inventors: Cini, John K. *et al.*
Filed: July 11, 2003
Our Ref. No.: MXI-285

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Information Disclosure Statement;
2. PTO Form SB-08;
3. Copies of non US patent and US patent publication references cited in PTO Form SB-08 (C1-C20);
4. A copy of the International Search Report; and
5. A Return Postcard.

No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. However, please charge any necessary fees in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.


I hereby certify that this correspondence is deposited with the United States Postal Service as first class mail in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450:

July 29, 2004

Date

Danielle L. Herritt, Esq., Reg. No. 43,670

Respectfully submitted,
LAHIVE & COCKFIELD, LLP


Danielle L. Herritt
Registration No. 43,670
Attorney for Applicants



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Cini, John K. *et al.*

Serial No.: 10/618350

Filed: July 11, 2003

For: *METHODS AND COMPOSITIONS FOR
PREVENTING OXIDATIVE DEGRADATION OF
PROTEINS*

Attorney Docket No.: MXI-285

Group Art Unit: 1614

Examiner: Not Yet Assigned

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Certificate of First Class Mailing (37 CFR §1.8(a))

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July 29, 2004
Date of Signature and of Mail Deposit

By: [Signature]
Danielle L. Herritt
Registration No. 43,670
Attorney for Applicants

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants and their Attorney are aware of the following publications and information, listed on the attached PTO Form SB-08, and in accordance with 37 CFR §1.97 hereby submit these publications for the Examiner's consideration.

A copy of the International Search Report (ISR) mailed April 9, 2004 in corresponding International Application No. PCT/US03/22012 is attached. The references cited in the ISR are cited in PTO Forms SB/08 (References A2 & C15).

Copies of cited U.S. patents and U.S. publications (Reference ID Nos. A1-A8) are not enclosed with this statement in accordance with the waiver published in the USPTO Official Gazette on August 15, 2003. Copies of foreign patent documents and non-patent literature (Reference ID Nos. A9-B13) are enclosed in accordance with 37 CFR 1.98(a)(2).

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

Under 37 CFR § 1.97(b)(3), no additional costs are believed to be due in connection with the filing of this disclosure. If, however, a first Office Action on the merits issues in this application bearing a mailing date prior to the date of this Information Disclosure Statement, please charge the appropriate fee as required under 37 CFR §1.17(p) to our Deposit Order Account No. 12-0080.

Respectfully submitted,
LAHIVE & COCKFIELD, LLP

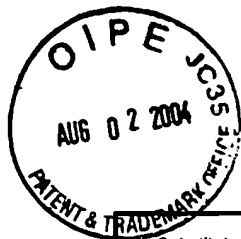


Danielle L. Herritt
Registration No. 43,670
Attorney for Applicants

28 State Street
Boston, MA 02109
(617) 227-7400

Date: July 29, 2004

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Enclosures



PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number 10/618350
Filing Date July 11, 2003
First Named Inventor Cini, John K.
Art Unit 1614
Examiner Name Not Yet Assigned
Attorney Docket Number MXI-285

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	4,522,811	06-11-1985	Eppstein <i>et al.</i>	
	A2	5,217,954	06-08-1993	Foster <i>et al.</i>	
	A3	5,217,890	06-08-1993	Daggett	
	A4	6,482,799 B1	11-19-2002	Tusé <i>et al.</i>	
	A5	2001/0051595 A1	12-13-2001	Lyons <i>et al.</i>	
	A6	2002/0068346 A1	06-06-2002	Krystek <i>et al.</i>	
	A7	2003/0114362 A1	06-19-2003	Gruner <i>et al.</i>	
	A8	2003/0073808 A1	04-17-2003	Quirk <i>et al.</i>	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Ahmed <i>et al.</i> "Nonenzymic Reactivation of Reduced Bovine Pancreatic Ribonuclease by Air Oxidation and by Glutathione Oxidoreduction Buffers." <i>J Biol Chem.</i> 250(21):8477-8482(1975)	
	C2	Akers, "Antioxidants in Pharmaceutical Products." <i>J. Par. Sci Tech.</i> 36:222-228(1982)	
	C3	Amado <i>et al.</i> "Dityrosine: <i>In Vitro</i> Production and Characterization." in <u>Methods in Enzymology</u> , 107:377-388, (Wold <i>et al.</i> ed. 1984)	
	C4	Bird <i>et al.</i> "Single-Chain Antigen-Binding Proteins." <i>Science</i> 242:423-426(1988)	
	C5	Chang <i>et al.</i> "Pitfalls in the Use of Commercial Nonionic Detergents for the Solubilization of Integral Membrane Proteins: Sulfhydryl Oxidizing Contaminants and Their Elimination." <i>Analytical Biochem.</i> 104:112-117(1980)	
	C6	Cruikshank <i>et al.</i> "A Lipidated Anti-Tat Antibody Enters Living Cells and Blocks HIV-1 Viral Replication." <i>J Acquir Immune Defic Syndr Hum Retrovirol.</i> 14(3):193-203 (1997)	
	C7	Davies, "Protein Damage and Degradation by Oxygen Radicals, I. General Aspects." <i>J Biol Chem.</i> 262(20):9895-9901(1987)	
Examiner Signature		Date Considered	

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/618350
				Filing Date	July 11, 2003
				First Named Inventor	Cini, John K.
				Art Unit	1614
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	MXI-285

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C8	Davies <i>et al.</i> "Protein Damage and Degradation by Oxygen Radicals. III. Modification of Secondary and Tertiary Structure." <i>J Biol Chem.</i> 262(20):9908-9913(1987)	
	C9	Hirs <i>et al.</i> (editors) "Transamination of Proteins." <i>Methods in Enzymology</i> 25:411(1972)	
	C10	Hunt <i>et al.</i> "Hydroperoxide-Mediated Fragmentation of Proteins." <i>Biochem J.</i> 250(1):87-93(1988)	
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	C12	Kammeyer <i>et al.</i> "Urocanic Acid Isomers are Good Hydroxyl Radical Scavengers: a Comparative Study with Structural Analogues and with Uric Acid." <i>Biochemica et Biophysica Acta</i> 1428:117-120(1999)	
	C13	Kang <i>et al.</i> "Fragmentation of Human Cu,Zn-Superoxide Dismutase by Peroxidative Reaction." <i>Mol Cells.</i> 7(4):553-558(1997)	
	C14	Kocha <i>et al.</i> "Hydrogen Peroxide-Mediated Degradation of Protein: Different Oxidation Modes of Copper- and Iron-Dependent Hydroxyl Radicals on the Degradation of Albumin." <i>Biochim Biophys Acta.</i> 1337:319-326(1997)	
	C15	Packer <i>et al.</i> (editors) "Oxygen Radicals in Biological Systems Part B: Oxygen Radicals and Antioxidants." in <i>Methods in Enzymology</i> , 186:14, 16, 41-42(1990)	
	C16	Reiter, "Cytoprotective Properties of Melatonin: Presumed Association with Oxidative Damage and Aging." <i>Nutrition.</i> 14(9):691-696(1998)	
	C17	Reubsaet <i>et al.</i> "Analytical Techniques Used to Study the Degradation of Proteins and Peptides: Chemical Instability." <i>J Pharm Biomed Anal.</i> 17:955-978(1998)	
	C18	Volkin <i>et al.</i> "Degradative Covalent Reactions Important to Protein Stability." <i>Mol Biotechnol.</i> 8:105-122(1997)	
	C19	Ward <i>et al.</i> "Binding Activities of a Repertoire of Single Immunoglobulin Variable Domains Secreted from <i>Escherichia Coli</i> ." <i>Nature.</i> 341:544-546(1989)	
	C20	Whitaker <i>et al.</i> "Proteins in Alkaline Solution." In <i>Chemical Deterioration of Protein J. ACS Symp Ser.</i> 123:147-149(1980)	
Examiner Signature		Date Considered	

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